



The Resonator

Official Newsletter of the Fair Lawn (NJ) Amateur Radio Club

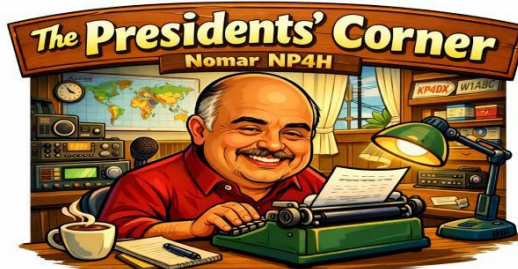
Volume 11, Number 5

www.FairLawnARC.org

May 2026

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Dear FLARC Family – We recently enjoyed a wonderful Vintage Night, and it was truly a success. My sincere appreciation goes out to the team who worked hard to bring that evening together. The enthusiasm and camaraderie in the room were evident, and it is my hope that this event becomes a cherished annual tradition within our club.

As part of our continued efforts to celebrate and preserve our rich amateur radio heritage, I am pleased to announce an exciting new initiative. Our club will begin updating its displays on a regular basis. To help guide this effort, I have asked Fred W2ABE to serve in a role akin to a “museum curator.” Fred will assist in preserving our vintage equipment and showcasing it for all to enjoy. These displays will be located near Stations 1 and 2, and we are proud to begin with a featured collection dedicated to Heathkit. I encourage everyone to stop by, take a look, and appreciate the legacy of the equipment that helped shape our hobby.

Our appreciation also goes to Rose (Noel's wife, she got us the monitors), Noel W2MSA, Doug KE2FWN and Louie N2NVE for revamping, modernizing, and cleaning up our stations. They are looking sharp and are truly a pleasure to operate. This is for you — please make sure to enjoy the stations and thank them for their efforts. And remember, whether your feedback is good or bad, let Noel know your thoughts. As Station Manager, he wants to hear from you. There is still more to come - Stay tuned...

Looking ahead, we are quickly approaching two of the most important events on our calendar: the **FLARC Hamfest** and **ARRL Field Day**. It was truly encouraging to see so many hands raised when volunteers were requested. Your willingness to step up speaks volumes about the strength and spirit of this club. I look forward to working alongside such a dedicated and enthusiastic team as we prepare for these events.

Thank you all for your continued support and commitment to FLARC.

73,
Nomar Vizcarrondo, NP4H
FLARC President



Ham Radio Class Forming Now

ARC Squared Radio club will be holding
a 2-day in-person Amateur General Radio License class
where you can learn what you need to pass your
35-question exam and earn your upgrade to a
General FCC Amateur Radio License.

*The General license is the second of three
U.S. Amateur Radio licenses.*

*To upgrade to General, you must hold a Technician license.
Upgrading to a General conveys extensive HF privileges.*

Class: 2 days (Saturday and Sunday) May 16-17

Time: 8:00 am to about 4:30 pm

Location: Fairfield, NJ Red Cross office

209 Fairfield Road, Fairfield, NJ 07004
(Entrance from parking lot)

Class Fee: \$25 (snacks & facility)

Exam Fee: \$15 (payable at exam)

Schedule:

- Pre-Studying is required
- Class: all day Saturday, 8 am to about 4:30 pm
- Review: Sunday, 8 am to about 1 pm
- Exam: Sunday, after review

Registration required: *(with full name, address, cell number, call sign)*
Registration closes May 8th or when class reaches full capacity of 20.

To register or to ask questions, email: **NB1LL@ARRL.net**

Instructor: Bill Kelly, NB1LL

(that is a #1 in NB1LL)

ARRL The national association for
AMATEUR RADIO®

From the Tech Committee

Members and visitors to the club will see some major changes in the layout and configuration of the FIVE operating positions.

Perhaps the most obvious change is the video screens are now mounted on sturdy mounts, with two screens next to each other and at an eye level that is more friendly to the neck muscles.

The desk at each position now has more open space, less clutter and more convenience for operating. At position 1 and position 4 the radio now sits on a very professional looking base that tilts the radio for easier viewing, and provides space under the radio for storing the keyboard.

Power cables at each position have been organized and now all plug into a single 18-outlet panel rather than the menagerie of outlet strips we had before.

Linking of our repeater with the Alpine repeater seems to be going well. There are a couple of tweaks waiting to be done, but activity on the repeaters has certainly increased. Remember, both repeaters are accessible by EchoLink through the Fair Lawn repeater – meaning you still have access if you are “out of the area.”

Technical comments and suggestions can be emailed to: tech-comm@FairLawnARC.groups.io

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ARRL is celebrating a year-long Worked-All-States operating event celebrating America's 250th Anniversary.

Details can be found at
<https://www.arrl.org/america250-was>

Working All States toward achieving your America250 WAS by contacting W1AW/Portable Stations: There will be week-long activations of portable W1AW/portable stations in all 50 states, and potentially in several US Possessions/Territories, that will generate on-air activity to achieve this unique WAS Award. For this operating event, ARRL will provide a listing of all W1AW/portable stations, who will each operate for 7 days (from a Wednesday through the following Tuesday) for 2 separate weeks in the year (an early week between January and July, and a late week between July and December). A few weeks will be listed as non-W1AW/portable weeks due to contests and ARRL Field Day.

The web link to the schedule of when each state will be on the air is gigantic, and the table of stations even bigger. Use the following 'short link' to fetch the schedule:

<https://bit.ly/arrl-w1aw-america250>



FLARC & WO2X REPEATER ALLIANCE
Expanding Coverage Across Northern & Central New Jersey
NYC • Rockland County • Westchester County

FAIR LAWN
70 YEARS
N 1956 J 2026
AMATEUR RADIO CLUB

WO2X
ALPINE, NJ

FLARC VHF Repeater
145.470 MHz
Offset: -600 kHz
PL: 167.9
• Drive-time participation
• Casual communication 24/7

WO2X UHF Repeater
Located at: Armstrong Tower – Alpine, NJ
442.700 MHz
Offset: +5 MHz
TX PL: 97.4
RX PL: 141.3

• ARRL Audio News — Mondays 7:45 PM
• Near & Far Net — Mondays 8:00 PM
• BARA Tech Net — Thursdays 9:00 PM

Be Part of the New Alliance



★ ★ **INTERNATIONAL LIGHTHOUSE LIGHTSHIP WEEKEND** ★ ★
— THE FAIR LAWN AMATEUR RADIO CLUB OPERATING AS W2L —

FAIR LAWN
70 YEARS
N 1956 J 2026
AMATEUR RADIO CLUB

Stony Point Lighthouse
STONY POINT, NY
AUGUST 15 & 16, 2026

Celebrating the 200th Anniversary of the Stony Point Lighthouse!

W2L

ARRLHS USA-923 • ILLW US0264 • POTA US-7734 • WCA K-01088

Wonderful world of radio:

WiFi-Based Presence Detection Using ESP32 (Camera-Free Sensing Overview)

WiFi sensing uses standard wireless signals to detect motion and occupancy without cameras or microphones. Using low-cost hardware such as the ESP32¹, it is possible to build a system that identifies movement through walls by analyzing changes in existing WiFi signals.

¹The same as is used in many Meshtastic units.

How It Works

WiFi devices continuously transmit radio signals (typically 2.4 GHz). As these signals reflect off objects and people, movement causes measurable changes.

ESP32 devices can extract **Channel State Information (CSI)**, including:

1. Signal amplitude changes
2. Phase shifts across subcarriers

By monitoring CSI in real time, the system can detect:

1. Presence vs. absence
2. Motion events
3. Coarse location changes

This works through common materials like drywall and wood, with reduced performance through dense materials.

System Options —

Basic Presence Detection

1. Single ESP32 device
2. Detects motion and outputs a trigger or movement score
3. Cost: ~\$10–15

Multi-Node Localization

1. 3–4 ESP32 devices (transmitter + receivers)
2. Identifies occupied zones (e.g., room-level)
3. Accuracy: ~0.5–1 meter in controlled setups
4. Cost: ~\$35–50

Hardware & Software —

Hardware

1. ESP32-S3 or ESP32-C6 boards
2. Optional external antennas for improved sensitivity
3. USB power or PoE (for multi-node setups)

Software

1. Beginner: ESPHome with open-source projects
2. Advanced: ESP-IDF with CSI libraries from Espressif Systems

Optional Python tools for visualization and machine learning

Performance and Use Cases — Key Characteristics

1. Works through walls (non-metallic)
2. Low power (USB-powered devices)
3. Requires calibration for best results
4. Sensitive to environmental changes (furniture, interference)

Common Uses

1. Occupancy-based lighting and HVAC
2. Camera-free security monitoring
3. Smart home automation
4. Activity or movement tracking

Privacy

WiFi sensing does not capture images or audio. It analyzes signal disturbances only, making it a viable alternative where privacy is a concern.

Summary

ESP32-based WiFi sensing enables low-cost, privacy-preserving motion detection using existing wireless signals. It scales from simple presence detection to multi-room awareness with minimal hardware and open-source software.

Technologies such as ham radio, television broadcast, AM/FM, Meshtastic, cellular networks, WiFi, and satellite systems all rely on radio frequency signals to transmit information. While commonly associated with communication and media, these same signals can support a much broader range of applications.

From sensing and automation to off-grid networking and environmental awareness, radio is a versatile medium with capabilities that extend beyond traditional use cases. Many practical and innovative applications remain underutilized, highlighting that radio is not just a tool for communication, but a platform for experimentation, problem-solving, and new ideas.

— submitted by Louie N2NVE

2026 Dues are due now

New members: only \$20 for your first year ! And if you sign up after October 1st you get next year free.

There are no changes to dues for the upcoming year.

Renew now, and let us know what activities or features would make you more active with the club.

Please make checks payable to:

"Fair Lawn Amateur Radio Club"

and send them to:

Fair Lawn ARC
– Attn: Secretary
10-10 20th Street
Fair Lawn, NJ 07410

Please include a member application form with your \$25 check regardless of your member status.

It can be found at

<https://fairlawnarc.com/membership.html>



EmComm SIG Updates

[Emergency Communications via Ham Radio]

Amateur radio operators use their training, skills, and equipment to provide communications during emergencies. Hams serve our communities when storms or other disasters damage critical communication infrastructure, including cell towers, and wired and wireless networks. Amateur radio can function completely independently of the internet and phone systems. An amateur radio station can be set up almost anywhere in minutes. Hams can quickly raise a wire antenna in a tree or on a mast, connect it to a radio and power source, and communicate effectively with others.



The Resonator Is Now Archived!

Ever wanted to search for something in *The Resonator*? Maybe a member profile. Perhaps a past Street Fair. Even who participated at Field Day in 2017.

Now you can. *The Resonator* has now been accepted as part of the Digital Library of Amateur Radio and Communications. DLARC is a project of the Internet Archive (the not-for-profit online library best known for *The Wayback Machine*.) DLARC is growing to be a massive online library of the past and present of ham radio and related communications. It is funded by a grant from Amateur Radio Digital Communications.

When you need to find something, go to:

<https://archive.org/details/flarc-resonator>

You can use the search "text contents" field to do a full-text search on all issues or click "Date Published" to see them sorted by publication date.

Get Direct With FLARC!

Here is a direct link to specific club info: just a click away!

<http://apparel.FairLawnARC.org>
<http://auction.FairLawnARC.org>
<http://blog.FairLawnARC.org>
<http://calendar.FairLawnARC.org>
<http://events.FairLawnARC.org>
<http://exams.FairLawnARC.org>
<http://facebook.FairLawnARC.org>
<http://news.FairLawnARC.org>
<http://swap.FairLawnARC.org>
<http://tech.FairLawnARC.org>
<http://youtube.FairLawnARC.org>

<https://groups.io/g/FairLawnARC>



The FLARC EmComm SIG is working closely with the NENJ-ARES group (North East NJ) to create an area-wide corps of well prepared hams who can handle emergency communications accurately and efficiently.

Times have changed and we can now use digital message formats as well as voice messaging.

If you would like to learn more about this phase of ham radio, send an email to —

main+owner@NENJ-ARES-EMCOMM.groups.io



The Fair Lawn Amateur Radio

Why is FLARC New Jersey's Most Exciting Radio Club?

Annual and Special Events

- ✓ Field Day
- ✓ Winter Field Day
- ✓ World Amateur Radio Day
- ✓ Portable Day
- ✓ Earth and Environmental Days
- ✓ Field Trips
- ✓ Special Even
- ✓ Public Service Activities
- ✓ Public Events
- ✓ Ham Fests and Auctions
- ✓ Foxhunts
- ✓ Youth Activities and more



There Is Something Every Night At FLARC!

- ✓ Monday: Near and Far Net
- ✓ Tuesday: DMR Net and Open House at the clubhouse
- ✓ Wednesday: ARES/RACES Net
- ✓ Thursday: Tech Net
- ✓ Friday: Open House at the clubhouse or Kawfee Towk Speaker Series (Monthly via Zoom) Weekends: Open House at the clubhouse, POTA and other station activations, Contests, Foxhunts



Plus:

- A five-position operating station clubhouse
- An active repeater—W2NPT linked with NJ2BS.
- New antennas on the roof
- Monthly VE testing
- An award-winning newsletter
- Monthly speaker programs
- Educational programs and activities
- Active public service participation
- An extensive video education archive

That is Why FLARC is the Most Exciting Club Around!

Come join us In-person or via Zoom for more activities, speakers, and projects!

www.fairlawnarc.org



YouTube

NOSTALGIA -

Fair Lawn Amateur Radio Club

Posted by Todd Malkin on Apr 16, 2016

Have you ever noticed antenna sprouting from the roof of the Fair Lawn Community Center and wonder what it's all about? Well members of the Fair Lawn Rotary Club had a visit from Ed Efchak and Karl Frank of the Fair Lawn Amateur Radio Club. Originally founded in 1956 as the Fair Lawn Radio Club, it was later reorganized in the spring of 1960 and became the Fair Lawn Amateur Radio Club. Thus, this group is one of the oldest radio organizations in Northern New Jersey.

The organization is a general interest radio organization; but the Fair Lawn Amateur Radio Club (FLARC), during its more than a half century history, has always been dedicated to helping the community and our country when needed in times of crisis. In the early days it was Civil Defense and RACES - today it is OEM and AREC as well as RACES.

The Fair Lawn Amateur Radio Club organization can be considered part of the Borough's available emergency resources. Many of our members are also RACES (Radio Amateur Civilian Emergency Service) members and CERT members (Community Emergency Response Team).



The Fair Lawn Radio Emergency Service organization has been involved in many Public Service events and organizations over the years. The group is part of the Fairlawn Office of Emergency Management (OEM) and supports that agency in many activities, as well as coordinating with Bergen County OEM.

Many of the members are CERT trained and members of RACES. They attend special training sessions, pass certification tests and many are trained for a wide variety of emergency responses besides Communications.

For many years, this organization of volunteers have provided coordination and safety communications for the Fair Lawn annual 4th of July Parade and Firework display and the Memorial Day parade, as well as charity walks and runs and other town activities.

FLARC is one of the few Amateur organizations in New Jersey that have a permanent location. Their facilities at the Community Center include two large rooms, with a total of five operating stations. Fair Lawn residents can become an associate member of FLARC at no cost.

More information about this important community organization can found at <http://www.fairlawnarc.org>. The Club also meets every Friday at the Fair Lawn Community Center located at 10-10 20th Street.



[Originally published in the Fair Lawn Rotary Club newsletter]

MORE NOSTALGIA - FLARC VINTAGE NIGHT

Friday, May 1st (18:30 EDT, prior to the monthly business meeting)



KB2FMH's early amateur radio station equipment

The Club Fair Lawn ARC Inc. is the fastest growing ham club around, with five operating positions in a permanent clubhouse. Visitors and guests are always welcome. The club is open every Friday night, except when there is a Business Meeting scheduled, from NLT 6:30 PM. Business meetings are the first Friday of the month at 7:30PM.

2026 Officers, Committees and Assignments

President	Nomar Vizcarrond	NP4H
Vice President	Gene Ottenheimer	WO2W
Treasurer	Bob Antoniuk	N2SU
Secretary	Jim Cooper	W2JC
Trustee	Lowell "Van" VantSlot	W2DLT
Trustee	Noel Pagan	W2MSA
Trustee	Skip Barker	KD2BRV
Member Services Health & Welfare	Judith Shaw	KC2LTM
Marketing	Nomar Vizcarrondo Jim Cooper	NP4H W2JC
Program	[open]	
Video/YouTube	[open]	
Social Media	Brian Duddy Thom Guida Dave Marotti	N2BTD W2NZ NK2Q
Photographer	Robert Marchini	KD2SOG
Community Relations	Gene Ottenheimer Dave Gotlib	WO2W KD2MOB
Field Day 2026	[open]	
Winter Field Day 2026	Noel Pagan	W2MSA
Hamfest	[open]	
Auction	[open]	
Education	[open]	
Youth Outreach	Robert Marchini	KD2SOG
Adult Outreach	Lowell "Van" VantSlot Jim Cooper	W2DLT W2JC
VE Testing Coordinator	Gene Ottenheimer	WO2W
Special Events	James Gallo	KB2FMH
Contests	Lowell "Van" VantSlot	W2DLT
FLARC Historian	Fred Belghaus	KR2H [W2AAB]
Webmaster	Jim Cooper	W2JC
Asst. Webmaster	David Kozinn	K2DBK
Technical Chair	Dave deCoons	WO2X
EmComm	Jim Breheny	N2JLF
RACES/ARES Director	Dave Gotlib	KD2MOB
RACES/ARES Liaison	Steve Wraga	WA2BYX
Newsletter Editor	Jim Cooper	W2JC
Newsletter Publisher	Jim Cooper	W2JC
Club Station Manager	Noel Pagan	W2MSA
Quartermaster	Brian Cirulnick	KD2KLN
W2NPT Trustee	Jim Cooper	W2JC

Want a Call Sign License Plate?

Amateur Radio (Ham operators) license plates may be purchased for a \$15 fee, for passenger vehicles, but not for commercial vehicles or motorcycles. (Applicants must be licensed by the Federal Communications Commission.)

Call MVC at 609.292.6500 or (toll free in NJ) 888.486.3339 to request an application.

The club has applications from time to time. If you would like an application, visit the "contact us" page, and we'll get one out to you.. Or find the form and detailed instructions at:

<https://www.state.nj.us/mvc/pdf/vehicles/SP-23.pdf>



Letters:

A feature of *The Resonator*

The editor has received a lot of nice notes, letters and comments about this newsletter and the club in general. We have not published them in the past but going forward we will at least try.

Here are the grounds rules:

- Please keep all comments as brief and succinct as possible.
- No personal attacks.
- No political rants.
- No comments promoting violence, racism, religious intolerance, vulgarity, obscenity, or other such discourteous behavior.
- The Editor reserves the right to exclude any comments that violate our guidelines and may subject the writer to further disciplinary action by the club.

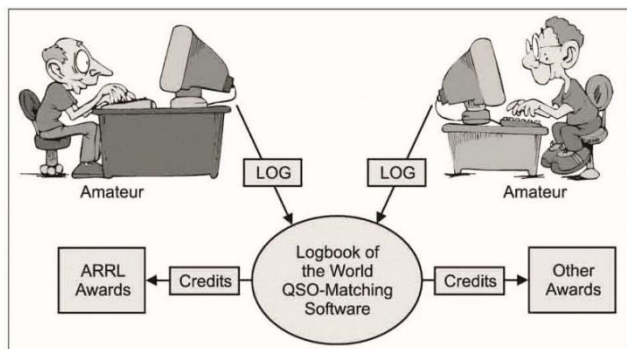
A QSL card is the final courtesy of an amateur radio contact.

https://en.wikipedia.org/wiki/QSL_card

INCOMING QSL Bureau -- if you have been making on-the-air contacts, you might very well have a package of exciting QSL cards from around the world waiting for you at the incoming QSL Bureau. If you previously received cards from them, check to see if you have any "credits" left by going to https://www.njdx.org/?page_id=869. If you never contacted them, they probably have cards for you! Go to this page -- https://www.njdx.org/?page_id=25 and get some 'credits' to cover the postage for mailing your cards to you.

To learn about the W2 Bureau, https://www.njdx.org/?page_id=30

To learn about the ARRL Outgoing QSL Bureau (for overseas card you send) visit <https://www.arrl.org/outgoing-qsl-service>



Those who upload logs to Logbook of the World become eligible to redeem confirmation credits for awards. LoTW wants and needs *all* logs. Uploading is free, so send your logs today!

SIG Group Membership

Here is an update on the Special Interest Groups... many groups have increased in size during the last month. About 45% of all members have joined at least one group.

<u>SIG Name</u>	<u>Leader</u>
Contesting	W2DLT
Digital Voice	N2AAM
Drones *	KB2BEE
EmComm	N2JLF
Mesh Net	W2KBF
Monitoring	WX2R
DX	W2JC
FT8	W2JC
Satellites	N2AAM
Portable Ops	W2MSA
Radio Astronomy	WX2R
Raspberry pi	[open]
Direction Finding	W2KBF
* New group	

Sign up for a group... or ...
why not start one?

Contact webmaster@FairLawnARC.org
if you would like to start a new
Special Interest Group.

Follow FLARC ON THE WEB

Facebook: <http://facebook.FairLawnARC.org>

Twitter: @FairLawnARC

Youtube: <http://youtube.FairLawnARC.org>

Website: <http://FairLawnARC.org>

The Clubhouse Is Open FOUR Fridays In May!!

Date	Clubhouse Status
May 1	CLOSED – Business Meeting at Fair Lawn Senior Center
May 8	OPEN
May 15	OPEN
May 22	OPEN
May 29	OPEN



Pop-Up Tuesdays are in-person at the club.



Report from our Station Manager

Upgrades of stations 1, 2 & 4 have been completed.

The installation of the dual monitor stands will eliminate neck strain when operating during a contest, or any other time



Operating position #1

We also eliminated the clutter by repositioning the gear on the desks and shelves, giving each position a cleaner and more professional look.

We now have use of two monitors at each position; this will allow us to use one monitor for logging and the other for internet access.

The third monitor at position 1 & 4 will be used only to display the screen of the radio, which I think is useless but is good eye candy for visitors to see!

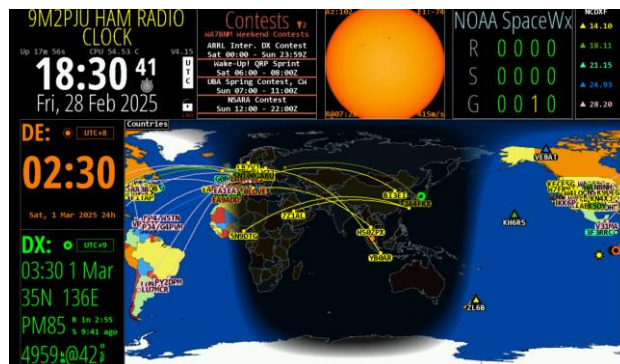


Operating position #4

The radio stands at positions 1 and 4, made by Louie N2NVE, allow us to elevate the radios for a better viewing angle, and they add the ability to tuck the keyboard under the radio – making space for the paper logbook, the mouse, etc.



Eventually it would be nice to have a Ham clock display in both rooms but that's a project for another day.



I would like to thank the following people for helping me with this project —

- Rose W2MSA-XYL (donated two monitors)
- Louie N2NVE (donated two radio stands)
- Nomar NP4H (labor)
- Doug KE2FWN (labor)

Noel Pagan W2MSA

W2NPT Station Manager



The Teletype Machine That Could Draw

Holiday Visits, With My Dad, to the Teletype Machine That Could Draw

There are memories that do not return as stories, but as textures. Sound first. Then light. Then the quiet certainty that you were standing near something important, even if you didn't yet have the language to explain why.

For me, the teletype was one of those things. It sat in my father's Wall Street office with a kind of earned authority; not sleek, not hidden, not abstract, but solid and unapologetically mechanical.

It didn't pretend to be silent or effortless. It announced itself. You didn't wonder whether it was working; you could hear it working. From a child's vantage point, it roared. The clatter of keys striking paper, the staccato rhythm of metal meeting ink, the steady pulse of information becoming physical in front of you. By modern standards it was slow, but to me it felt immediate, alive, connected.

Holiday visits made the whole place feel different. Easter. Christmas. Seasons when the trading floor carried a softened energy, when the adults were still focused but somehow more reachable.

I would follow my father through the office, the smell of paper and ink, the low hum of conversations I wasn't yet part of, the suits and ties moving with purpose, and then there it was — the machine that could draw.

That was the magic. The teletype at these times didn't just print numbers or quotes. It created images out of nothing but characters. Line by line, it would summon Santa and his sleigh, reindeer in formation, or an Easter bunny taking shape as if the machine were thinking in its own language.

You watched the picture arrive in real time, each line a small act of creation, each pause a moment of anticipation. The adults saw a tool. I saw something closer to a living instrument.

Around it, the office felt like a world where everything revealed its mechanism. Even the water

cooler in the corner had its own quiet spectacle, the heavy glass bottle inverted on its base, the slow rise of bubbles when someone filled a cup, the tiny hesitation before the water settled again.

Nothing digital. Nothing hidden. Cause and effect right in front of you.

Looking back, what made those moments special wasn't just the machine. It was the transparency of the world around it. Communication had a sound. Information had a physical form. Work had weight. Systems were visible. You could see the process, hear the process, feel the process.

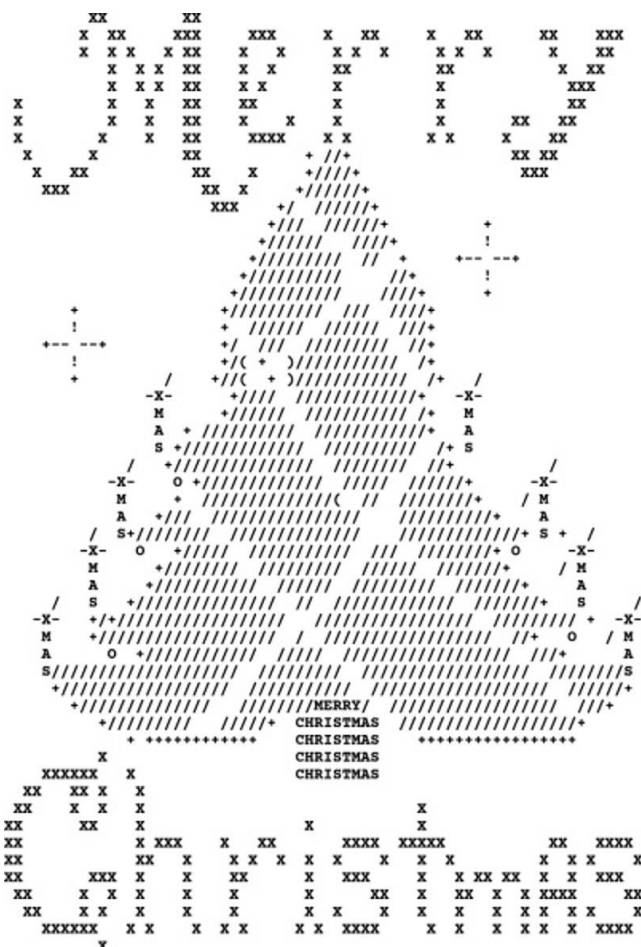
And as a child standing there during the holidays, I wasn't thinking about markets or infrastructure or the machinery of finance. I was simply watching something unfold that felt bigger than me but not closed off from me. The teletype didn't hide its workings. It invited you to witness them.

That is what remains. Not just the memory of a machine, but the memory of a world where connection announced itself, where creation happened in plain sight, and where a child could stand in the middle of it all and feel, even without understanding, that this was something real.



Continued on next page.

The Teletype Machine That Could Draw, continued.

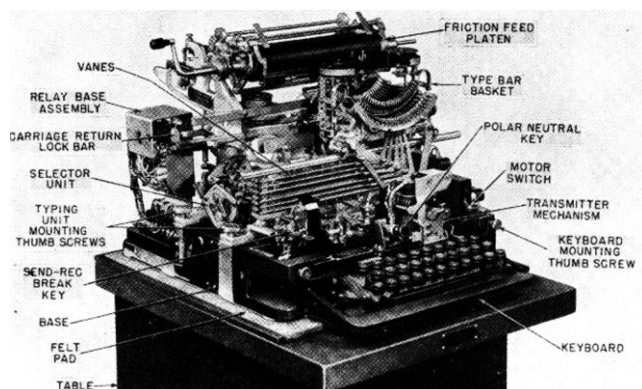


Originally posted by Tom Friend
tom.friend@agileontarget.com in a groups.io and
 reposted by chuck@rehor.com in
greenkeys@mailman.gth.net chat group.

Useful links –

Discussion group of RTTY restoration hams – <http://mailman.qth.net/mailman/listinfo/greenkeys>

Archive of RTTY art –
<http://www.textfiles.com/art/RTTY/>



Vast Archive of FLARC Activities and Info

Members are reminded that we have a large archive of YouTube videos of our previous many years of Kawfee Tawk™ presentations, which cover many aspects of ham radio. Our mostly unsung hero club videographer, Thom W2NZ, has spent thousands of hours of his own time creating really professional quality videos of these 167 presentations. Visit our club YouTube page and you will see all of them listed on the main page, at <http://youtube.FairLawnARC.org>

Another large and rather unused archive is that of our seven years of the club newsletter, The Resonator. They provide a nice historical record of the many activities of FLARC over the years, as well as lots of useful info about ham radio and electronics. The entire archive is at <http://newsletters.FairLawnARC.org>

And don't forget the FILES area of our groups.io website, where useful and important info is saved:

<https://fairlawnarc.groups.io/g/main/files>



FLARC April 18, 2026 VE Testing Results

Gene W02W reports the following results:

Name	Call	License Earned
Jim Pilinci	W2XJP	General
Christopher Elsesser	KD2SWM	General
Jim Pilinci KE2ICJ	Now	W2XJP

Testing for next month will be at the Fair Lawn Recreation Center.

Club Apparel — Get Them While They're **RED**!

Club apparel is always in vogue. Red is always "in" and your club friends all have them... you *want* a shirt or jacket for the next FLARC event! Great for Field Day!

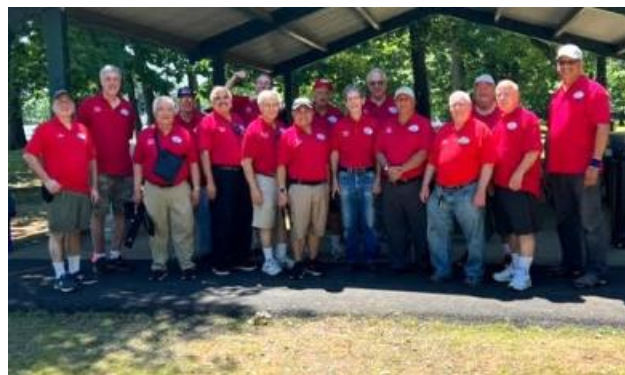
Don't forget.... they're easy to order.

Go to www.hamthreads.com

or visit <http://apparel.FairLawnARC.org>

Check out the item selection that is posted on the FLARC website (with pictures and prices). Order the shirts or other items you want with either the regular FLARC logo or the still-cool 60th anniversary logo. Note: **RED** is the primary and preferred club standard shirt color.

And why not WEAR your nice red shirt when you come to the club, especially for meetings and events.



It's easy to spot FLARC members
wearing their red club shirts !

Ham Radio Is Contagious But It Won't Make You Sick!!

2026 FLARC Net On The W2NPT Repeater:

Near and Far Net • Mondays at 8PM

W2NPT Repeater and EchoLink

Special Note: *The IRS now requires that we disclose annually the use of paid lobbyists to our members and indicate approximately what percentage of their dues goes toward that. 0% of your dues payment will be used by the club to directly pay a lobbyist firm to lobby on behalf of all our members regarding pending legislation that impacts our hobby. **The ARRL does that for us.***

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NEWHAMS.INFO

Training, information, and encouragement for new amateur radio operators.

<https://newhams.info/>



BEQUEATHS AND DONATIONS

Planned gifts usually imply the family donation of amateur equipment to the club when someone has become a Silent Key. But it can be more. Club members might consider making a gift through a will or trust; gifts that help provide lifetime income to the club. Consult with your lawyer, estate planner or tax advisor if you feel such a gift is worthy.

Thanks!
for your
Support!!

This is YOUR club.... Be a part of it !!

About The Club

The Resonator is published monthly and is the official (and only) newsletter of The Fair Lawn Amateur Radio Club Inc. FLARC was established in 1956 and has met continuously since inception. **The club is sponsored by the Borough of Fair Lawn.** The club meets every Friday, except when a Business Meeting is scheduled, at 6PM at the club station in The Fair Lawn Community Center, 10-10 20th Street, Fair Lawn, NJ. Business meetings are the first Friday of the month at 7:30 PM at the Fair Lawn Senior Center, and on Zoom.

Visitors **ARE ALWAYS** welcome at our meetings.

FLARC operates the W2NPT repeater (145.470- PL 167.9) located high atop the Community Center. The analog repeater is open to all amateurs for use without restrictions. Our repeater is linked with the Alpine repeater.

The club has about 150 paid members.

Dues are currently \$25 per year;
 \$20 for new members.

For more information, please see our website, at

<http://membership.FairLawnARC.org>

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FAIR LAWN'S COMMUNICATIONS CENTER!

With Our Antennas On The Roof!



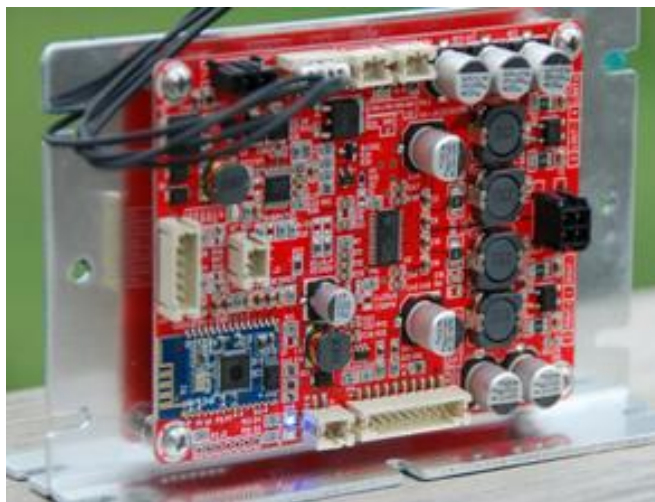
Theoretics Demystified

This time the subject is amplifiers. An amplifier is an electronic device that increases the voltage or current [power] of a signal. Amplifiers are no more than a power supply modulated by an input signal.

Some amplifiers have their own power supply built in, and some are hooked up to an external power supply. An example is a linear Radio Frequency Amplifier for ham use that is connected to a 12-volt battery for portable use.

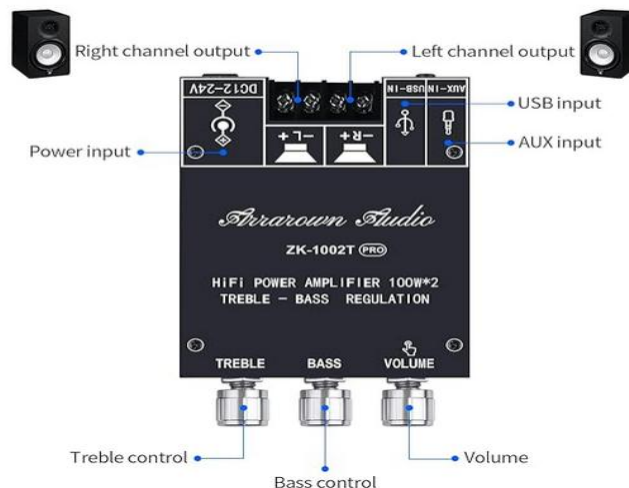
Stationary amplifiers usually have their own supply built in and plug into mains power. Some of the newer amplifiers, especially for audio, have their power output determined by the voltage and amperage [amount of current available] available from the power source. I have a small audio amp that puts out 25-50 watts rms per channel depending upon the supply voltage and the amperage supplied.

The amplifier shown below is one of the newer class 'D' amplifiers where the audio is sampled thousands of times per second and the output current is controlled by solid state devices, such as a transistor or a chip which is switched on or off by the sampled audio input. The amplifier shown is a lower power unit, but it gives you the idea of the newer technology.



The 4 dark grey units on the right are ferrite chokes used to filter out sampling noise.

Below is a higher-powered unit that can give 25-50 watts per channel RMS. This one has a large chip and a big heat sink to keep the chip from overheating.



So far, we have only covered the newest class 'D' amplifiers, which are of the switching type.

There is also the class 'T' digital switching amplifier which uses a proprietary circuitry to provide better performance.

The non digital, analog types of amplifiers are class A, AB, B and C. The chart below shows characteristics of each type.

Class	A	B	C	AB
Collector current flow	360°	180°	Less than 180°	180° to 360°
Position of Q point	Centre of load line	On X-axis	Below X-axis	Above X-axis but below the centre of load line
Efficiency	Poor, 25 % to 50 %	Better, 78.5 %	High	Higher than A but less than B 50 % to 78.5 %
Distortion	Absent No distortion	Present More than class A	Highest	Present
Power dissipation in transistors	Very high	Low	Very low	Moderate
Nature of output current waveform				

Table 8.16.1

Important Concept

It is important to note that class C operation is never used for audio frequency amplifiers.

- The class C is used in special areas of tuned circuits, such as radio or communications.

The 'Q' point refers to the quiescent or "no signal" DC point, when no signal is present. In design it is an important factor.

Solid state amplifiers, especially digital, are more efficient than tube types, but with audio amps, tubes provide a 'warmer' sound since the harmonics

Continued on next page.

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Theoretics Demystified, cont'd

[subtle images of the audio at frequencies multiple of the original] are different than those of solid-state amplifiers. I use small tube preamps with my audio systems to provide that warmer sound.

Amplifiers are everywhere from cell phones, ham radios to home stereos. This article only scratches the surface of the subject of amplifiers.

Fred Wawra, W2ABE, 73.

Hamspeak

Amplifier Classes

CLASS 'A':

An amplifier circuit where the output devices conduct current all the times, with no distortion but low efficiency.

CLASS 'B':

Uses only half of the input wave, which is more efficient than class 'A' but has significant distortion of the output signal.

CLASS 'AB':

Uses all of one cycle and part of the other cycle for amplification. It is a mix of class 'A' and 'B'. The distortion is less than 'A' but higher than 'B'.

CLASS 'C':

Uses less than 180 degrees of the half cycle of the input wave. It has the highest distortion of all analog amplifier types, but is very efficient. Used in tuned circuits in ham equipment.

CLASS 'D':

A digital amp where the input signal is sampled thousands of times per second and that sampling controls the output devices.

CLASS 'T' :

The predecessor to class 'D' with proprietary circuitry to improve performance. Class 'D' was derived from this, minus the special circuitry.

There is a chart in the Theoretics column this month that shows all of this.

Fred Wawra, W2ABE, 73.

Curator's Corner

A curator is a custodian or manager of collections in museums, galleries, or libraries, responsible for acquiring, caring for, and interpreting items to educate the public.

Work has started on curating the show cases in the club. The object is to make coherent displays that change every few months and will be featured in the Resonator.

The show cases as they appeared before any work was done.



This is the showcase near station two before any work was done.



This is the showcase between the doors before any work was done.

The object is to thin out the displays, label items and get them lighted. An LCD display may also be in the works.



More work was done on the first showcase, pictured above, with the help of Gene WO2W.

— Fred Wawra, W2ABE.

Contest Corner



Contest Calendar for May, 2026

By: Fred, KR2H

This month, we're only concentrating on U.S.A. and Canada contests, because they are the ones most likely to be of interest to most of our readers (with one exception).

May 2 – 7th Call Area QSO Party (7QP): 1300Z May 2 (9 AM EDT) to 0700Z May 3 (3 AM EDT May 3).
Need some states in W7-land for WAS? This contest will help!

Contest rules here: <http://7qp.org/new/page.asp?content=start>

May 2 – Indiana QSO Party: 1500Z May 2 (11 AM EDT) to 0300Z May 3 (11 PM EDT May 2).

Rules here: <http://www.hdxcc.org/inqp/rules.html>

May 2 – Delaware QSO Party: 1700Z May 2 (1 PM EDT) to 2359Z May 3 (7:59 PM May 3).

Rules here: <https://www.fsarc.org/qsoparty/qsohome.htm>

May 2 – New England QSO Party: TWO Sessions: 2000Z May 2 (4 PM EDT) to 0500Z May 3 (1 AM EDT May 3); 1300Z May 3 (9 AM EDT) to 2400Z (12 Midnight EDT).

Rules here: <https://neqp.org/rules/>

May 4 – K1USN Slow Speed Test (SST): 0000Z May 4 (8 PM EDT Sun. May 3) to 0100Z May 4 (9 PM EDT Sun. May 3). Rules here: <https://www.k1usn.com/sst.html>

May 4 – ARS Spartan Sprint: 0000Z May 4 (8 PM EDT Sun. May 3) to 0200Z May 4 (10 PM EDT Sun, May 3).
This is a short contest (Sprint) using QRP [5 Watts or less output], CW only.

Rules here: https://ars-grp.com/Spartan_Sprint/Spartan_Sprint.html

May 4 – ICWC Medium Speed Test (MST): 1300Z May 4 (9 AM EDT) to 1400Z May 4 (10 AM EDT).

Rules here: <https://internationalcwcouncil.org/mst-contest/>

May 5 – ICWC Medium Speed Test (MST): 0300Z (11 PM EDT May 4) to 0400Z (12 Midnight).

Rules here: <https://internationalcwcouncil.org/mst-contest/>

May 6 – Phone Weekly Test (Phone Fray): 0230Z May 6 (10:30 PM EDT) to 0300Z May 6 (11 PM EDT).

Rules here: http://www.perluma.com/Phone_Fray_Contest_Rules.pdf

May 8 – K1USN Slow Speed Test (SST): 2000Z May 8 (4 PM EDT) to 2100Z May 8 (5 PM EDT).

Rules here: <https://www.k1usn.com/sst.html>

May 9 – SKCC Weekend Sprintathon (WES): Sponsored by the Straight Key Century Club.

Non-members may participate but all stations must use mechanical keys only (straight key, sideswiper or bug. (No electronic keyers or computer-generated code!).

Start time: 1200Z May 9 (8 AM EDT) to 2359Z May 10 (7:59 EDT May 10).

Rules here: https://www.skccgroup.com/operating_activities/weekend_sprintathon/May_wes.php

Contest Corner, continued

May 9 – Canadian Prairies QSO Party (CPQP):

1700Z May 9 (1 PM EDT) to 0300Z May 10 (11 PM EDT May 10).

Rules here: <https://cpqp.ve6hams.ca/rules-2/>

May 9 – Spring 6 Meter Sprint: 2300Z May 9 (7 PM EDT) to 0300Z May 10 (11 PM EDT).

Rules here: <https://sites.google.com/site/springvhfupsprints/home/2026-information>

May 11 – K1USN Slow Speed Test (SST):

0000Z May 11 (8 PM EDT May 10) to 0100Z May 11 (9 PM EDT May 10).

Rules here: <https://www.k1usn.com/sst.html>

May 11 – ICWC Medium Speed Test (MST): 1300Z (9 AM EDT) to 1400Z (10 AM EDT).

Rules here: <https://internationalcwcouncil.org/mst-contest/>

May 12 – ICWC Medium Speed Test (MST): 0300Z (11 PM EDT May 11) to 0400Z (Midnight EDT).

Rules here: <https://internationalcwcouncil.org/mst-contest/>

May 13 – Phone Weekly Test (Phone Fray): 0230Z (10:30 PM EDT May 12) to 0300Z (11 PM EDT May 12).

Rules here: http://www.perluma.com/Phone_Fray_Contest_Rules.pdf

May 15 – K1USN Slow Speed Test (SST): 2000Z (4 PM EDT) to 2100Z (5 PM EDT).

Rules here: <https://www.k1usn.com/sst.html>

May 16 – Arkansas QSO Party: 1400Z May 16 (10 AM EDT) to 0200Z May 17 (10 PM EDT).

Rules here: <https://arkqp.com/>

May 18 – K1USN Slow Speed Test (SST):

0000Z May 18 (8 PM EDT May 17) to 0100Z May 18 (9 PM EDT May 17).

Rules here: <https://www.k1usn.com/sst.html>

May 18 – ICWC Medium Speed Test (MST): 1300Z (9 AM EDT) to 1400Z (10 AM EDT).

Rules here: <https://internationalcwcouncil.org/mst-contest/>

May 19 – ICWC Medium Speed Test (MST): 0300Z (11 PM EDT May 18) to 0400Z (Midnight EDT).

Rules here: <https://internationalcwcouncil.org/mst-contest/>

May 20 – Phone Weekly Test (Phone Fray): 0230Z (10:30 PM EDT May 19) to 0300Z (11 PM EDT May 19).

Rules here: http://www.perluma.com/Phone_Fray_Contest_Rules.pdf

May 21 – NAQCC CW Sprint: Sponsored by the North American QRP CW Club.

Non-members may participate. 0030Z May 21 (8:30 PM EDT, May 20) to 0230Z (10:30 PM EDT).

Rules here: https://naqcc.info/sprint_rules.html

May 22 – K1USN Slow Speed Test (SST): 2000Z (4 PM EDT) to 2100Z (5 PM EDT).

Rules here: <https://www.k1usn.com/sst.html>

May 24 – Real Time Contest/RTC: A unique contest that involves logging on to the RTC Server and remaining on for the duration of the contest (4 hours), posting your QSOs in real time.

Start: 1600Z May 24 (12 Noon EDT) to 2000Z (4 PM EDT).

Complete rules here: <https://blog.contestonlinescore.com/real-time-contest-rtc-rules/>

May 25 – K1USN Slow Speed Test (SST):

0000Z May 25 (8 PM EDT May 24) to 0100Z May 25 (9 PM EDT May 24).

Rules here: <https://www.k1usn.com/sst.html>

Contest Corner, continued

May 25 – ICWC Medium Speed Test (MST): 1300Z (9 AM EDT) to 1400Z (10 AM EDT).

Rules here: <https://internationalcwcouncil.org/mst-contest/>

May 25 – ICWC Medium Speed Test (MST): 1900Z (3 PM EDT) to 2000Z (4 PM EDT).

Rules here: <https://internationalcwcouncil.org/mst-contest/>

May 26 – ICWC Medium Speed Test (MST):

0300Z May 26 (11 PM EDT May 25) to 0400Z May 26 (Midnight EDT May 25).

Rules here: <https://internationalcwcouncil.org/mst-contest/>

May 27 – SKCC Sprint (SKS): 0000Z May 27 (8 PM EDT May 26) to 0200Z May 27 (10 PM EDT May 26).

As with all SKCC activities, only straight keys, sideswipers or bugs may be used (no electronic keyers or computer-generated code).

Complete rules here: https://www.skccgroup.com/operating_activities/weekday_sprint/

May 27 – Phone Weekly Test (Phone Fray):

0230Z May 27 (10:30 PM EDT May 26) to 0300Z May 27 (11 PM EDT May 26).

Rules here: http://www.perluma.com/Phone_Fray_Contest_Rules.pdf

May 29 – K1USN Slow Speed Test (SST): 2000Z (4 PM EDT) to 2100Z (5 PM EDT).

Rules here: <https://www.k1usn.com/sst.html>

May 30 – CQWW WPX Contest, CW:

Worldwide contest open to all. Work everybody, US/Canada/DX.

Multipliers are the total number of different prefixes worked (counted once only) on all bands.

WPX is probably the most popular HF contest of all.

Contest starts at 0000Z Sat. May 30 (8 PM EDT Friday, May 29) to 2359Z May 31 (7:59 PM EDT Sunday, May 30).

Complete rules here: <https://cqwpw.com/rules/>

Data derived from: <https://www.contestcalendar.com/>

73.

Fred, KR2H



Ham Radio News

ITU Turns Linton Armory into New Home for Legendary Ham Radio Manufacturing

LINTON, IN - ITU Corporation is expanding in Indiana with the purchase of the former Linton National Guard Armory, now set to become the new manufacturing hub for the Hy-Gain and Cushcraft product lines. Acquired from MFJ Enterprises, the move centralizes production at the 15-acre site and is expected to bring 20–50 jobs to the area.

"I am thrilled to pass the torch of these legendary antenna brands to Dave & Kambi Carpenter and their team at ITU Corporation," said Martin F. Jue, President of MFJ Enterprises.

"After nurturing these brands for decades, it was vital to me that Hy-Gain and Cushcraft - - premier brands that have served radio operators and stations worldwide for generations - - landed in the hands of someone who understands their legacy."

"Dave, and the ITU team share our commitment to American-made quality and customer satisfaction. They bring the engineering expertise and manufacturing passion necessary to keep these products and these trusted American high-performance antennas on towers worldwide for years to come!"

The sale includes all designs, tooling, and manufacturing rights. ITU will relocate operations from Starkville, Mississippi, to Linton over the next two months.

"We are excited about the acquisition of the former 15 acre Armory facility in Linton as it offers a move-in-ready building that perfectly meets the needs of this operation" stated Dave Carpenter President of ITU.

Upcoming HamClock Release

A new HamClock release is on the way, and this update will be different from previous ones. Because of recent changes in the HamClock ecosystem and the transition to community-maintained infrastructure, your device will require a one-time update to continue receiving new releases.

After the passing of Elwood Downey (WB0OEW) who was the father of HamClock, the future of HamClock was uncertain. A message on Elwood's website says the server will shut down in June of this year. But already some features, which require manual maintenance on the server are failing.

But there are several groups working on solutions. One group, Open HamClock Backend (OHB), has created an open-source community backed project to provide a new Backend Server. This backend server is operating successfully now for several weeks. But your HamClock device needs to be told to connect to this new backed server and not anymore to the original. The OHB team also works on a updated HamClock client release (4.23). You will need a backend server change to allow you online updating.

Why This Is Necessary

HamClock's original update infrastructure will be soon no longer available. The community around Open Hamclock Backend (OHB) has stepped in to keep HamClock alive, supported, and improving — but this requires redirecting devices to the new update system. Once this one-time change is made, future updates will work normally.

The new release (v4.23) is currently in final preparation and testing. Once released, and your device is reconfigured, the update will show up automatically. Our goal is to make this as easy as possible for every user. HamClock remains an active, supported project, and this update ensures your device stays compatible with the future of the platform. Extensive testing over the last couple weeks ensures that you have a smooth transition.

If you have questions or need help during the transition, full details and info are available at –

<https://www.n0lsr.com/>



POTA Team:

Thanks to the proposals and outstanding information provided by several operators I am proud to announce the addition of the following new sites in New Jersey:

POTA Ref.	Name	County
US-13254	VanNest Refuge WMA	Mercer
US-13255	Hancock House Hist. Site	Salem
US-13256	Menantico Ponds WMA	Cumberland

73 de Steve Rosman KA2YRA
POTA NJ Mapping Rep



Brian N2BTD's portable setup –
Perkins Memorial Drive at Bear Mountain summit



Mike KD2YEW at Worthington State Forest



FLARC PortableOps SIG

PortableOps@FairLawnARC.groups.io

This is a Special Interest Group (SIG) for members interested in portable ham radio operation such as POTA, SOTA, IOTA, LOTA, etc. The purpose of this SIG is to get outdoors and practice our operating skills from different places. We can share outing experiences, tips and work on our operating skills.



This is a podcast related to SOTA – Summits On The Air – and the April 3rd Episode 215 has an interview with our own Mike Volpe KD2YEW. The web audio in the beginning is rather raucus, and no apparent way to control the volume level... Slide the status bar to 1:02:15 to hear the segment with Mike.

<https://itlcatsskillspodcast.beam.ly/episode/episode-215-ham-radio-hiking-with-mike-volpe>





ATTENTION!

FLARC MEMBERS

PAY YOUR DUES

ONLINE NOW!

NEW DUES, RENEWAL, & DONATIONS CAN BE SENT VIA ZELLE!

! DUE PAYMENTS NEEDED ASAP TO KEEP YOUR MEMBERSHIP ACTIVE!

zelle

PAY ASAP

- Log into your Zelle account
- Use phone number **201-240-9317** as the recipient
- Include your Call Sign & year(s) in the notes section

Log in and pay your dues before you miss out!

If you need help, or want added assurance – email treasurer@FairLawnARC.org

Visit: www.FairLawnARC.org for more info!

FAIR LAWN
70 YEARS N **J 1956 2026**
AMATEUR RADIO CLUB



Located in the
Fair Lawn Recreation and Community Center
10-10 20th Street
Fair Lawn, NJ 07410

MEMBERSHIP / RENEWAL FORM

Name: _____ Call: _____
Address: _____ Apt. #: _____
City: _____ State: _____ Zip: _____
Published Phone #: _____ Unpublished phone #: _____
Email: _____ License Class? _____

Check all that apply: ☐ ARRL member? ☐ VE? ☐ ARES member? ☐ RACES member? ☐ CERT member?

Renewal of Current Membership \$ 25 \$ _____

Introductory & Student Membership
(Students under age 18)
(Introductory membership open to new members
or not-a-member for last 7 years) \$ 20 \$ _____

Three year renewal incentive \$ 65 \$ _____

Life membership \$ 625 \$ _____

Senior life membership (age 65 or over) \$ 250 \$ _____

Associate Membership
Open to Fair Lawn residents only;
No voting rights or other privileges. (no fee) \$ _____

Additional Family Members (\$5 each per year)
List each family member (in same household) below: \$ _____

Name: \$ 5/year \$ _____

Name: \$ 5/year \$ _____

Name: \$ 5/year \$ _____

\$5 each per year

Optional Equipment Fund Donation \$ _____

=====

Total submitted: \$ _____

Signed: _____ Date: _____

I hereby acknowledge the ByLaws and rules and regulations of the club and will abide by them as amended.

NOTE: Membership is from January 1st through December 31st of any given year,
except that New Members paying Introductory Membership after October 1st
will be paid through December 31st of the following year.

Please make check payable to "Fair Lawn Amateur Radio Club" and send check and this form to:
Fair Lawn ARC, Attn: Secretary, 10-10 20th St., Fair Lawn, NJ 07410.

Payment can also be made on-line using Zelle. Please see instructions at

<https://membership.FairLawnARC.org>

and send screen-shot of Zelle receipt to Secretary@FairLawnARC.org

This form must also be submitted, either paper copy or PDF copy or scan:

(PDF or scan of this form may be attached to the email with the Zelle confirm)

Last rev. 260422

May 2026

FLARC Business Meeting Minutes

Meeting Summary for FLARC Monthly meeting

May 01, 2026

Quick recap

The Fair Lawn Amateur Radio Club (FLARC) held a vintage equipment night and business meeting, featuring demonstrations of historical ham radio equipment including a DX-60 transmitter and receiver from the 1950s.

The club discussed various operational updates, including improvements to their HF operating positions and repeater systems, with Dave WO2X reporting ongoing technical work and addressing recent repeater issues. The meeting covered upcoming events including a June field day preparation session, HamFest on June 6th, Memorial Day parade communications, and July 4th fireworks duties.

The club approved a motion to purchase eight magnetic signs for vehicles at approximately \$240, and members voted to allocate up to \$500 for miscellaneous field day expenses beyond food. The conversation ended with updates on membership, which stood at 146 paid members, and welcome messages for new club members including Ruben Fleitas KE2IET.

Next steps

Dave WO2X

- Reach out to Paul to investigate and resolve the repeater/Echolink lockup issue and consider adding a timeout timer.
- Ensure all club computers are updated (including Windows updates) prior to Field Day use.

Gene WO2W

- Send out another communication to all VE team members regarding upcoming VE session at Sussex Hamfest.
- Coordinate with Bill NB1LL, Sid N2GG [from Sussex club], and Roger NJ2RQ to support online (paperless) VE testing at Sussex Hamfest.
- Organize June program focused on Field Day preparation (no regular Kawfee Tawk in June).
- Reach out to Edison Labs to arrange a group tour and determine a suitable date.
- Announce and coordinate details for tentative Portable Day on September 26th, including location.
- Provide updates and coordinate participation for National Lighthouse Day activation on August 15, including special event callsign W2L.
- Send out emails requesting volunteers for Hamfest roles as date approaches.

Collaboration

Continued on next page.

May 2026 FLARC Business Meeting, cont'd.

- Dave WO2X and Bob N2SU: Prepare and present a talk in July on how to send and receive QSL cards via the bureau, and ensure supply of QSL cards for Great Falls Earth Day event.
- Club members (as assigned by email closer to date): Volunteer for various roles at the upcoming Hamfest (setup, vendors, sellers, etc.).
- Club members: Volunteer to provide 2-meter HT communications support for Memorial Day parade and July 4th fireworks.
- Judith KC2LTM (with support from Noel and others): Proceed with purchase of 8 magnetic car signs (18x24) for club vehicles.
- Club (as authorized by motion): Spend up to \$500 on miscellaneous Field Day expenses (excluding food), as needed.

Summary

Vintage Radio Event

The Kawfee Tawk™ session focused on a "vintage night" to honor long-time radio operators and celebrate the evolution of radio equipment over the years. Participants discussed the transformation of radio technology from the 1950s and 1960s to modern pocket-sized transceivers. The event featured demonstrations using historical equipment, including a DX-60 transmitter and Drake 2B receiver, allowing attendees to compare them with current technology.

Historical Amateur Radio Equipment Discussion

The meeting focused on discussing historical amateur radio equipment, particularly a DX60 transmitter and 2B receiver. Fred KR2H explained the technical specifications of the equipment, including power output and tube configurations, while sharing stories about the evolution of ham radio technology from tube-based to solid-state equipment. The discussion included details about the historical significance of the Regency ATC1, the first transistorized amateur radio equipment, and how American manufacturers struggled to compete with solid-state technology in the 1960s and 1970s. The conversation ended with plans to demonstrate equipment operation and discuss the club's history, including its previous locations and current facility features.

Several table-top displays were available, showing the history of the Fair Lawn ARC.

Club Meeting Updates and Plans

The club business meeting covered several key updates and decisions. The technical committee reported on improvements to the HF operating positions, including new power outlet distribution strips and cable organization.

The club discussed plans for upcoming events including a portable day scheduled for September 26th, potential lighthouse activation for National Lighthouse Day, and participation in the Memorial Day parade and July 4th fireworks.

The meeting approved a motion by Judith KC2LTM to purchase 8 magnetic signs for club vehicles at a cost of approximately \$240. The club also approved a motion by WA2BYX up to \$500 for miscellaneous Field Day expenses other than food. [WA2BYX: "I would like to make a motion that the Radio Club be allowed to spend up to \$500 for miscellaneous field day expenses other than food."]

The club also discussed upcoming programs, including a June Field Day preparation meeting and a July presentation on QSL card processing.

Meeting summary created by Zoom AI and extensively edited by Jim W2JC, FLARC Secretary